

FIG. 1 is a block diagram of a system 100 for providing a service to a subscriber premises 104. The system 100 includes a central office 102, a data modem 110, a filter 132, a filter 134, a filter 136, and a filter 138. The central office 102 is connected to the data modem 110, the filter 132, the filter 134, the filter 136, and the filter 138. The data modem 110 is connected to a computer 112. The filter 132 is connected to a telephone 114. The filter 134 is connected to a telephone 116 and a caller ID device 140. The filter 136 is connected to a telephone 118. The filter 138 is connected to a telephone 120. The subscriber premises 104 is connected to the central office 102.

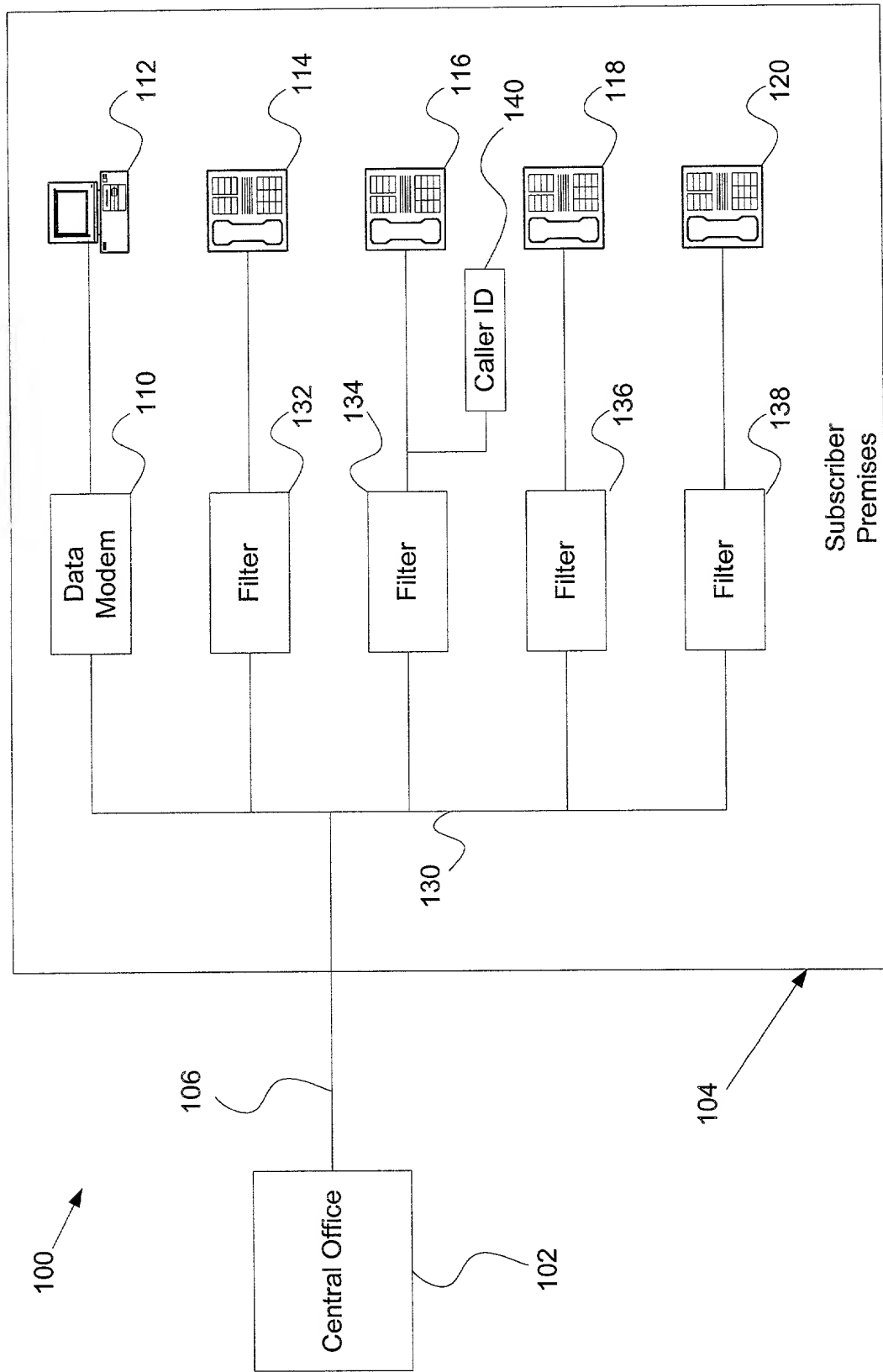


FIG. 1

FIG. 2 is a block diagram of a prior art system for providing caller ID information to a POTS device.

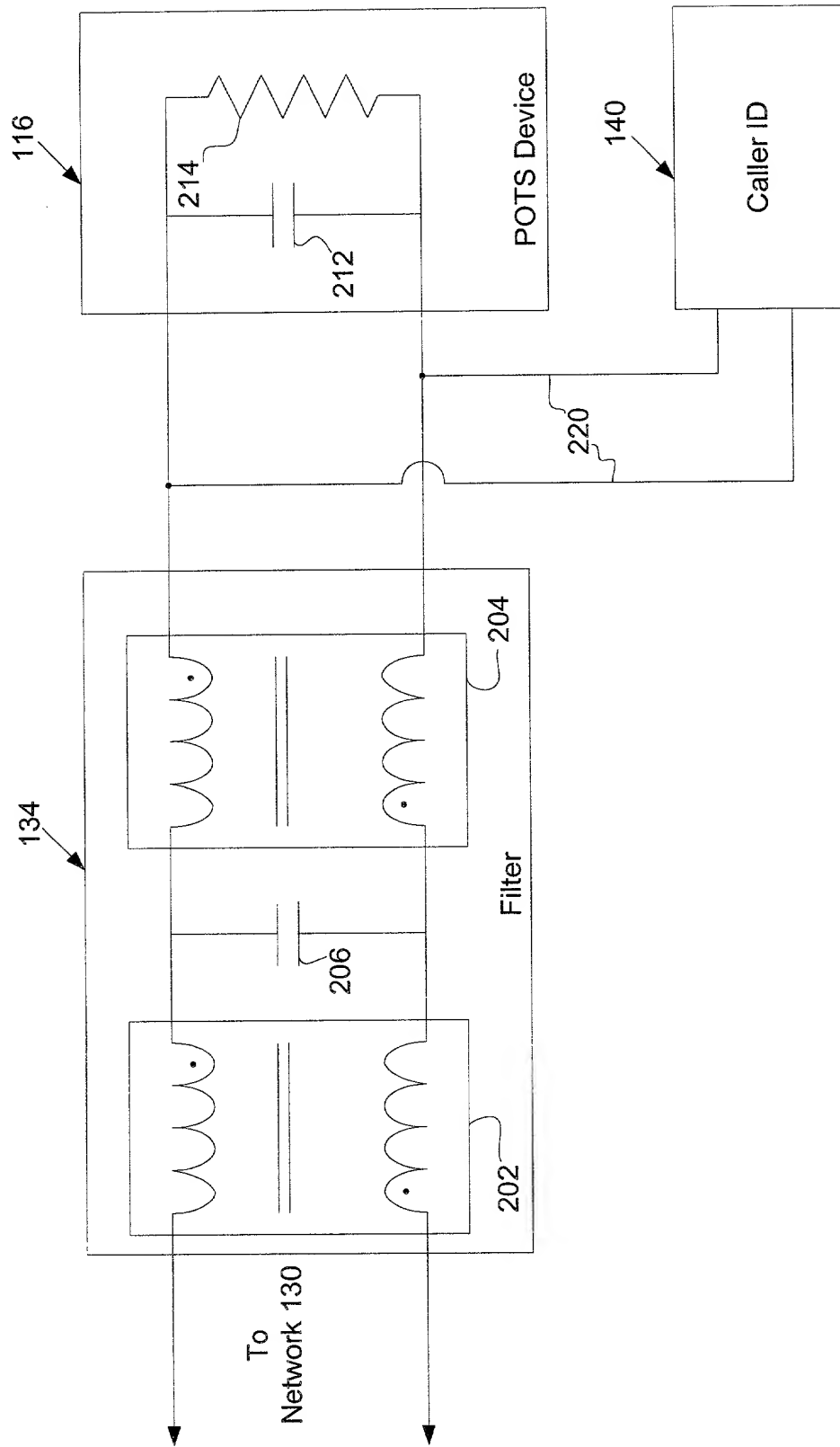


FIG. 2
(Prior Art)

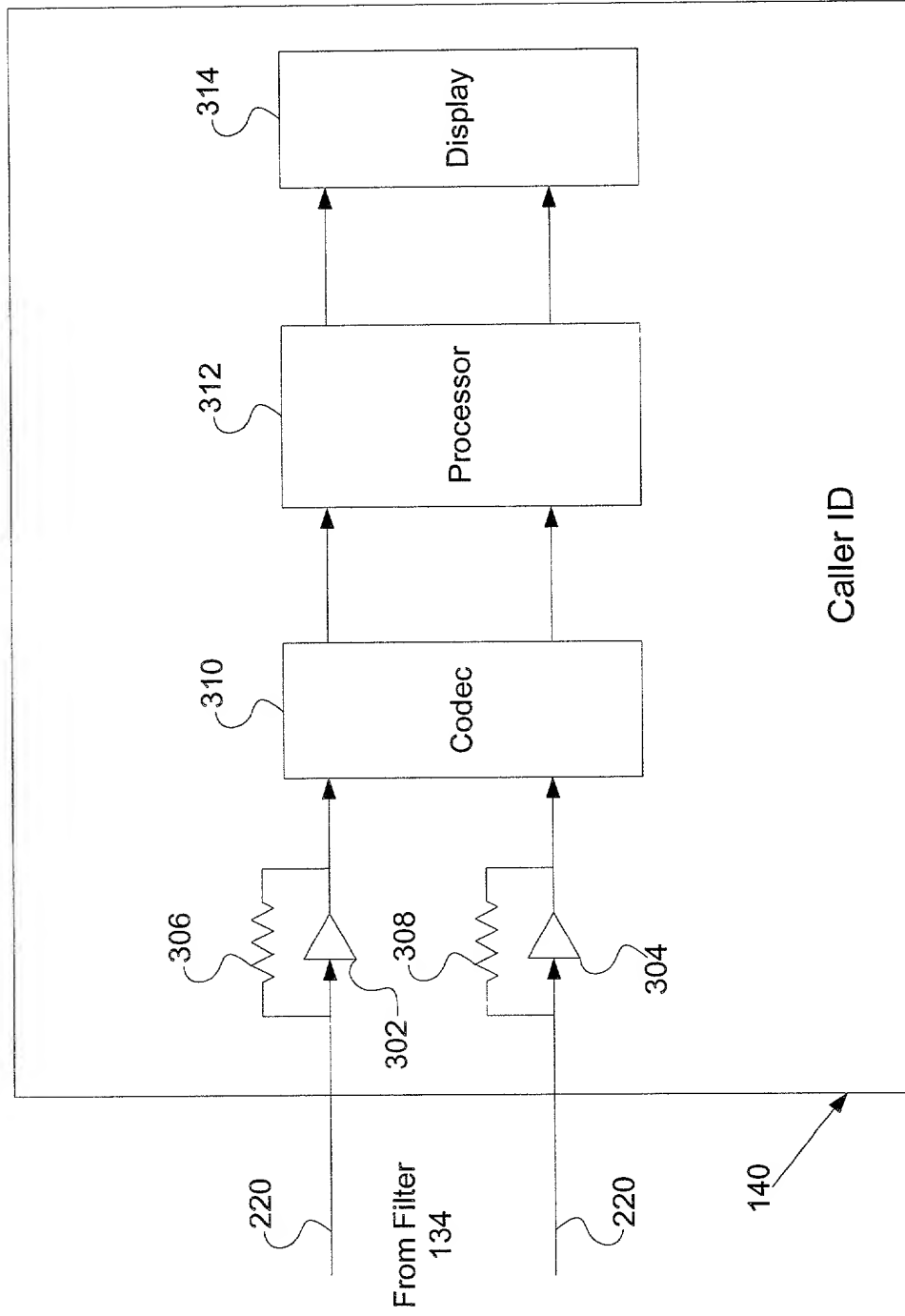


FIG. 3
(Prior Art)

FIG. 4 is a block diagram of a POTS device 116 connected to a network 130 via a filter 134. The POTS device 116 includes a POTS line 212 and a POTS line 214. The filter 134 includes a POTS line 202 and a POTS line 204. The filter 134 also includes a POTS line 402 and a POTS line 404. The filter 134 is connected to the network 130 via a POTS line 412 and a POTS line 416. The filter 134 is also connected to the POTS device 116 via a POTS line 212 and a POTS line 214. The filter 134 is further connected to a caller ID device 140 via a POTS line 220.

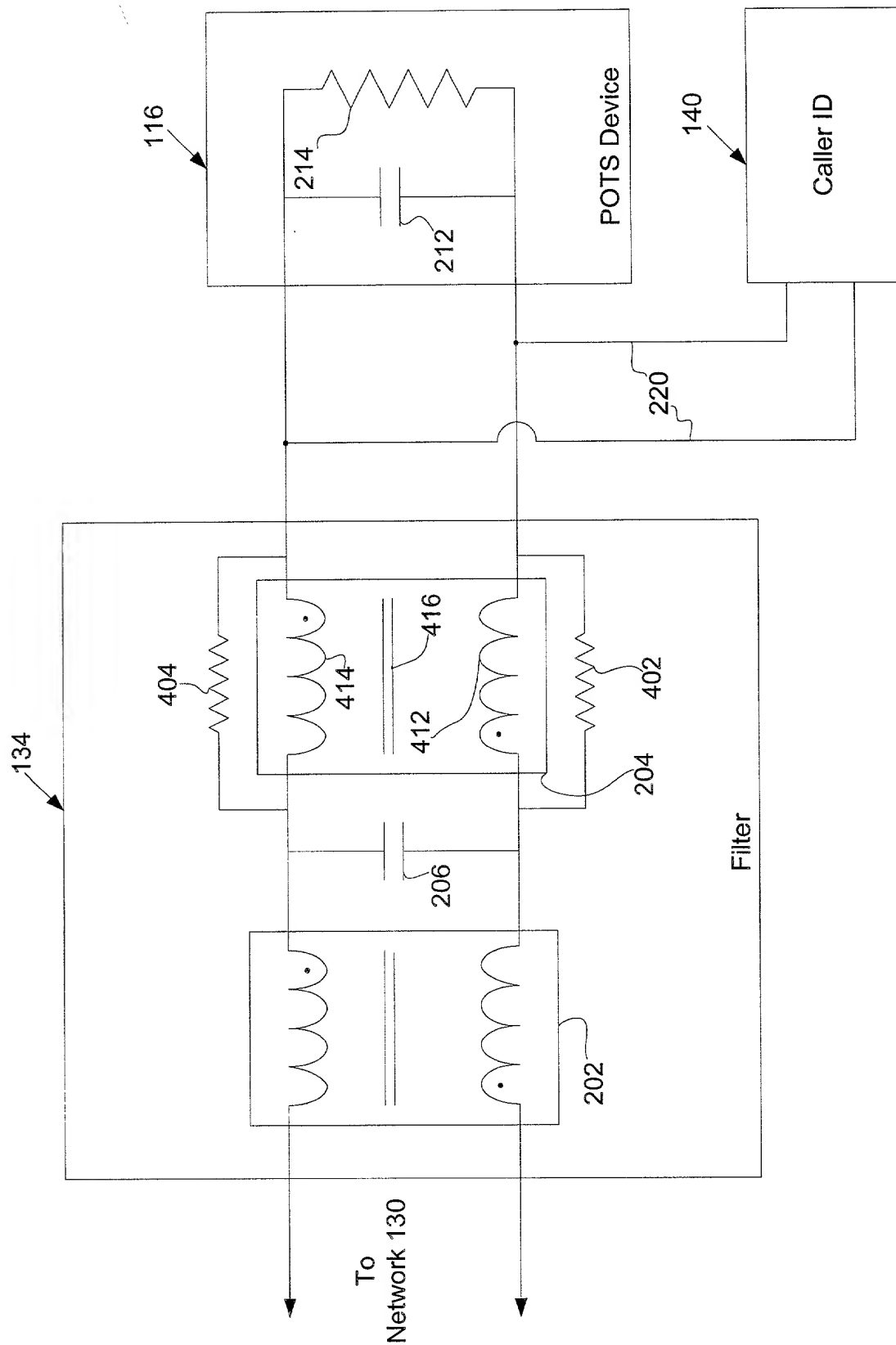


FIG. 4

On_hook Insertion Loss

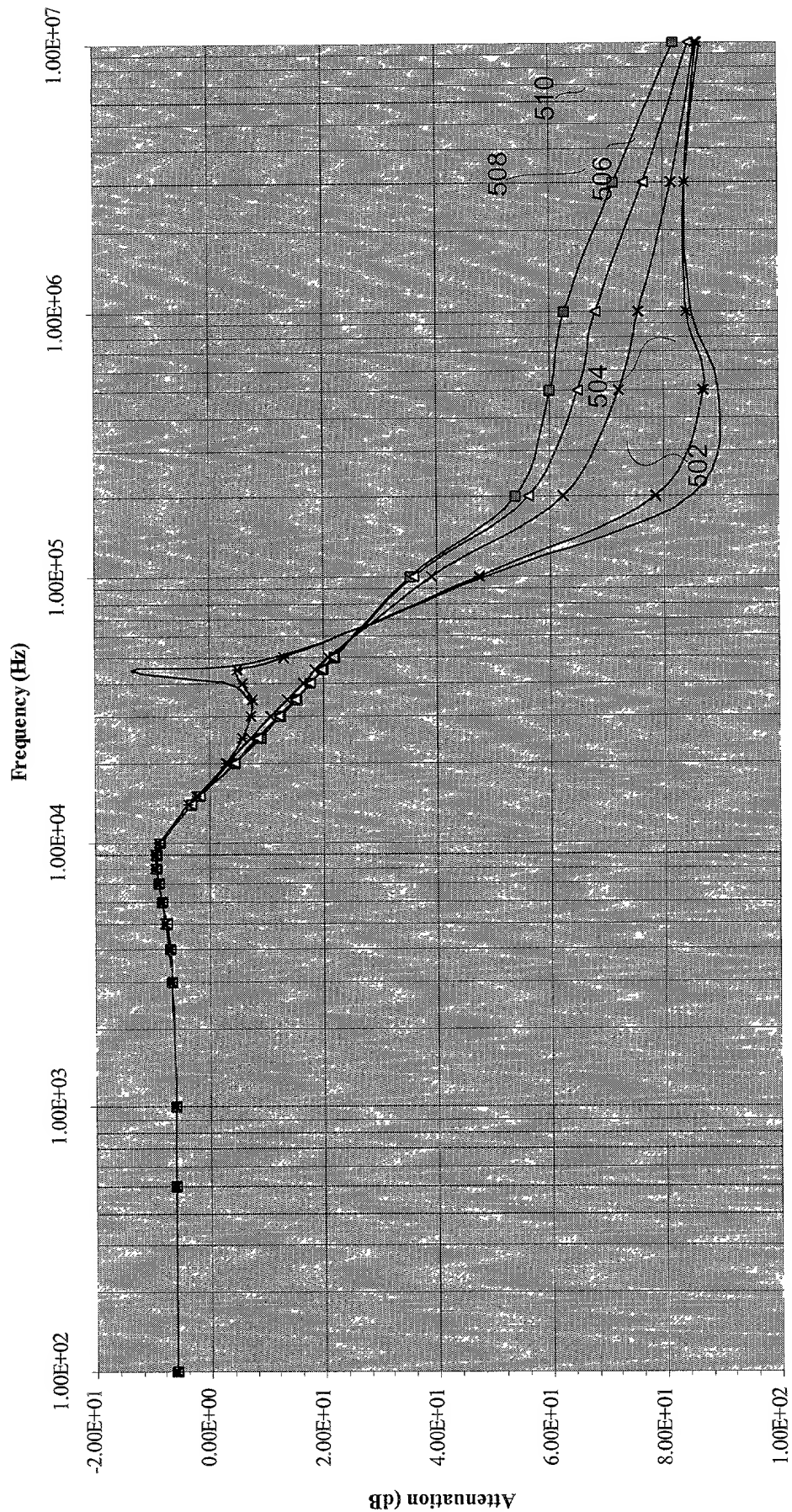


FIG. 5

Off_hook Insertion Loss

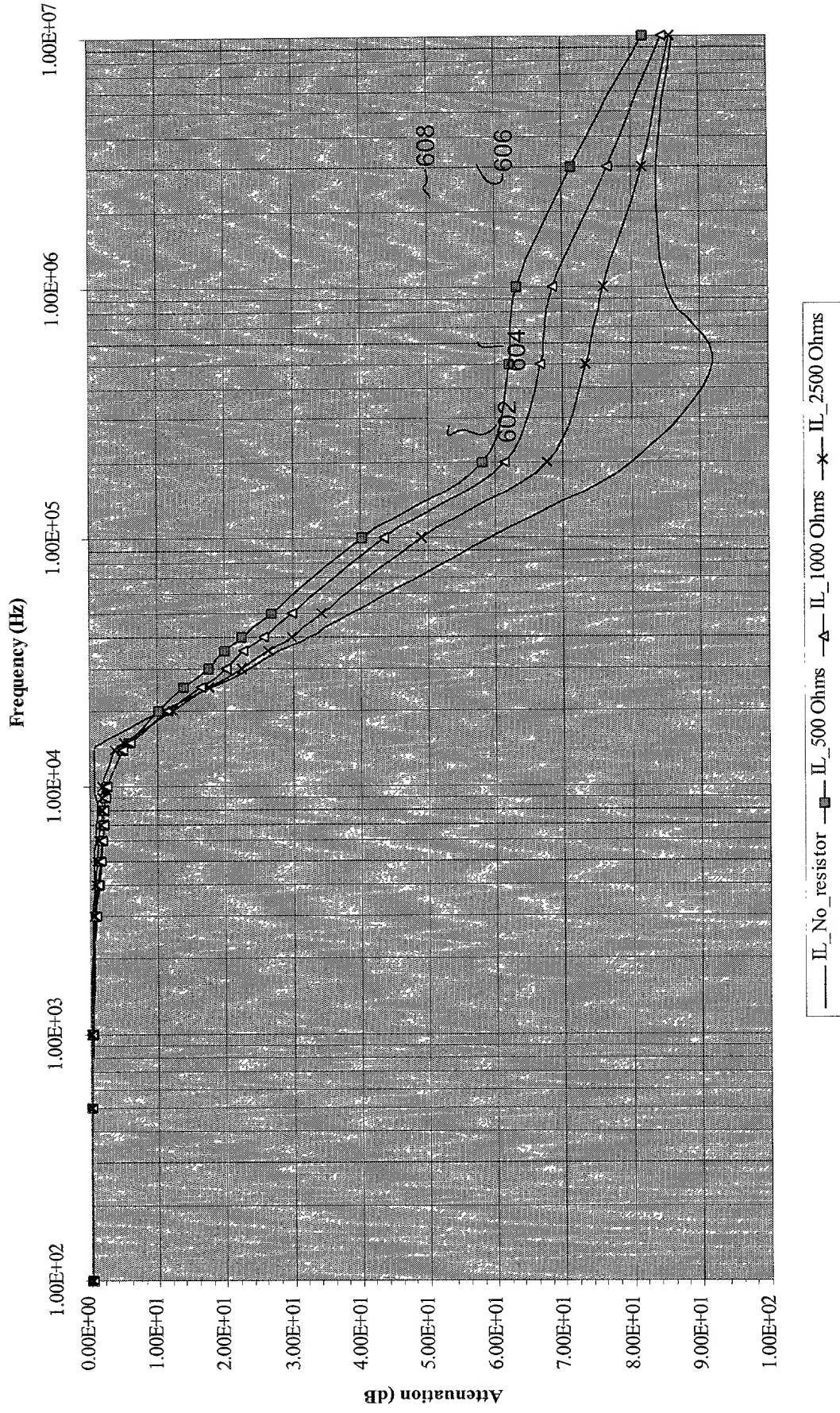


FIG. 6